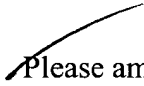


A<sup>9</sup>  
as that offered in window 401 of Figure 4 could appear if port type were selected. A drive type selection set such as in window 402 of Figure 4 could appear if drive type were selected. The salient point, in this embodiment of the present invention, is that a pop-up window with a drop-down list can appear to supply the available options so that a user is not required to remember everything about every part of a device being configured. This embodiment of the present invention, enabled here as an aid to configuration of a programmable device, uses and enhances the user- friendliness inherent in a GUI.

IN THE CLAIMS

 Please amend the claims as follows:

1. (AMENDED) A method for configuring input/output connections in a programmable device, comprising:

displaying a graphical user interface enabled for said configuring of said programmable device;

selecting a configuration presentation from said graphical user interface;

selecting an input/output connection from said programmable device for configuration; and

selecting options for said input/output connection from a selection set presented in said graphical user interface.

A<sup>10</sup>  
2. (AMENDED) A method as described in Claim 1, wherein said graphical user interface is tailored to a specific programmable device.

3. (AMENDED) A method as described in Claim 1, wherein said programmable device comprises a programmable microcontroller.

A<sup>10</sup> 4. (AMENDED) A method as described in Claim 1, wherein said configuration presentation comprises a graphical presentation of a representation of said programmable device.

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10. (AMENDED) A system for configuring input/output connections in a programmable device, comprising:

a computing device;

a graphical display device communicatively coupled with said computing device;

A<sup>11</sup> a graphical user interface implemented within said computing device and presented in said graphical display device;

a graphical cursor control device communicatively coupled with said computing device and enabled to input commands to said computing device through said graphical user interface; and

said programmable device electronically and communicatively coupled with said computing device, wherein selecting specific points with said graphical cursor control device on said graphical user interface results in configuration data being generated for said programmable device.

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17. (AMENDED) A system as described in Claim 10, wherein said programmable device comprises a programmable microcontroller.

A<sup>12</sup> 18. (AMENDED) A graphical user interface for aiding the configuration of a programmable device, comprising:

a device configuration window;

a user-selectable pin-out window in said device configuration window;

a pin configuration parameters table;